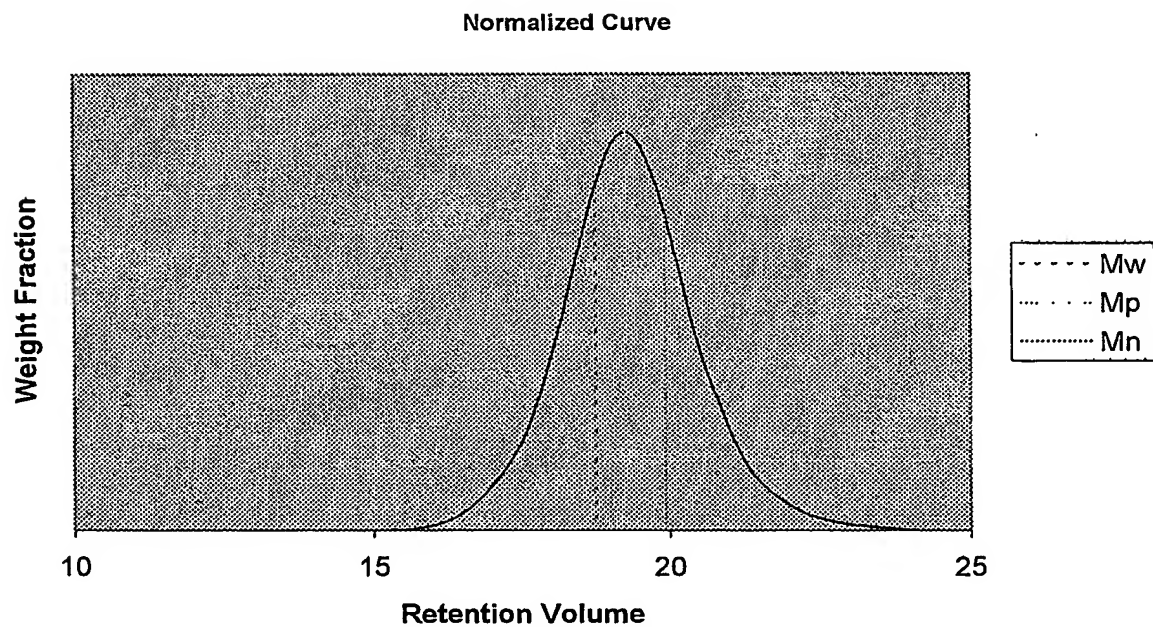


# Figure 1

## GEL PERMEATION CHROMATOGRAPHY

Description	Example 1
Mw	98,500
Mp	61,800
Mn	34,100
Mw/Mn	2.89
Avg Log Mw 25%	210,132
Avg Log Mw 50%	82,631
Avg Log Mw 75%	44,983
Avg Log Mw 100%	16,536
Avg Log Mw Whole	59,948
Avg Log Mw Whole	.4.83



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Figure 2  
ATREF-DV  
Example 1

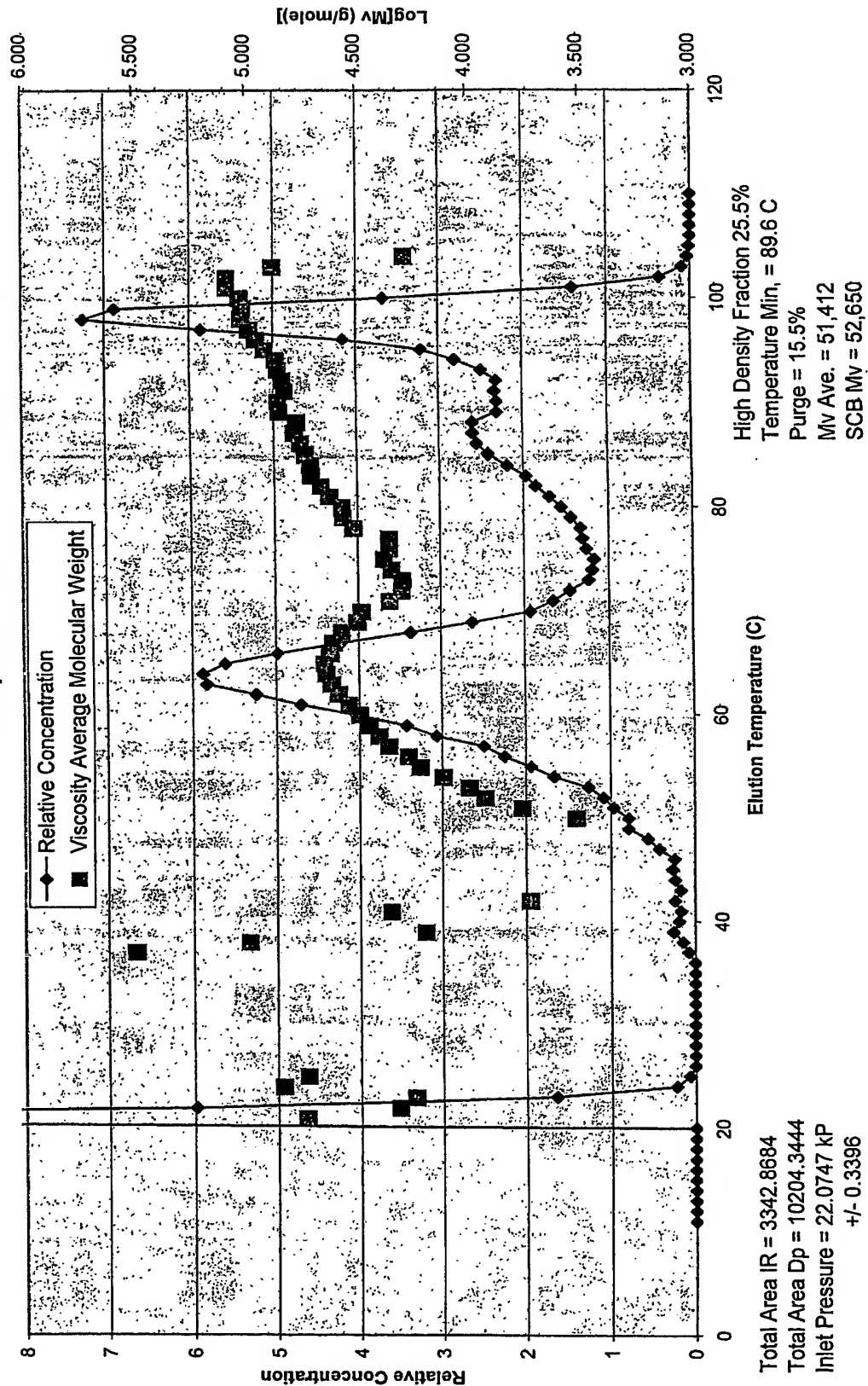


Figure 3  
GEL PERMEATION CHROMATOGRAPHY

Description	Comparative Example 2
Mw	110,400
Mp	66,700
Mn	29,200
Mw/Mn	3.78
Avg Log Mw 25%	255,147
Avg Log Mw 50%	95,345
Avg Log Mw 75%	43,993
Avg Log Mw 100%	13,480
Avg Log Mw Whole	61,630
Avg Log Mw Whole	6.40

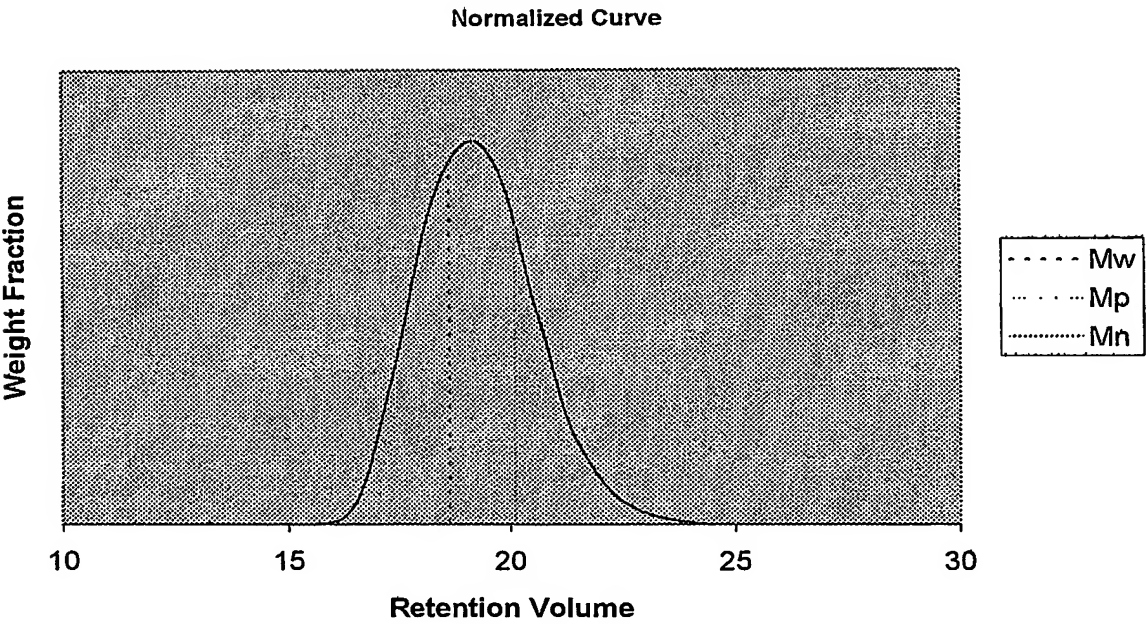


Figure 4  
ATREF-DV  
Comparative Example 2

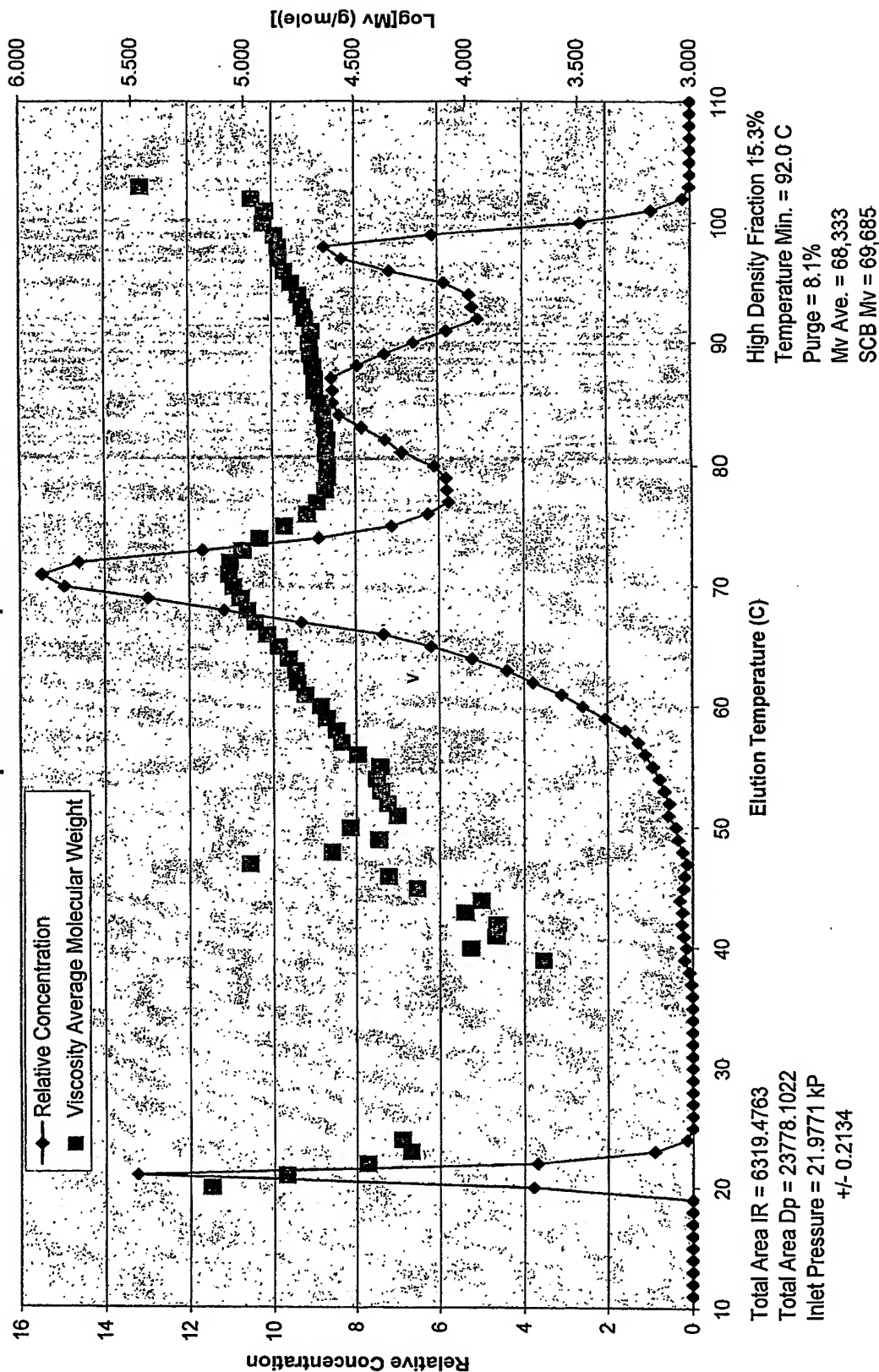


Figure 5

Heat Seal

0.5 mil Polymer A / 1.0 mil 75% Polymer A + 25% Polymer C / 1.0 mil Sealant

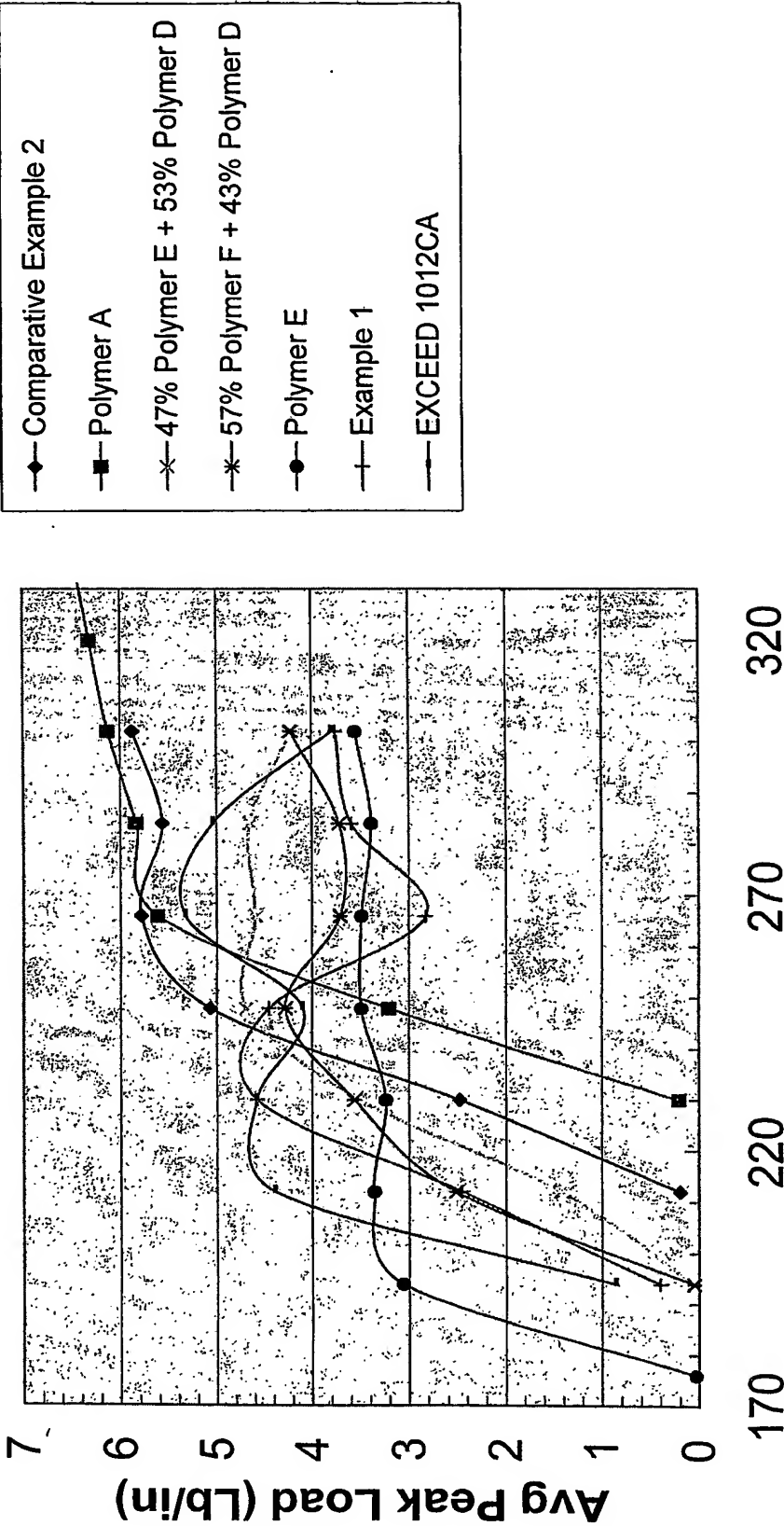
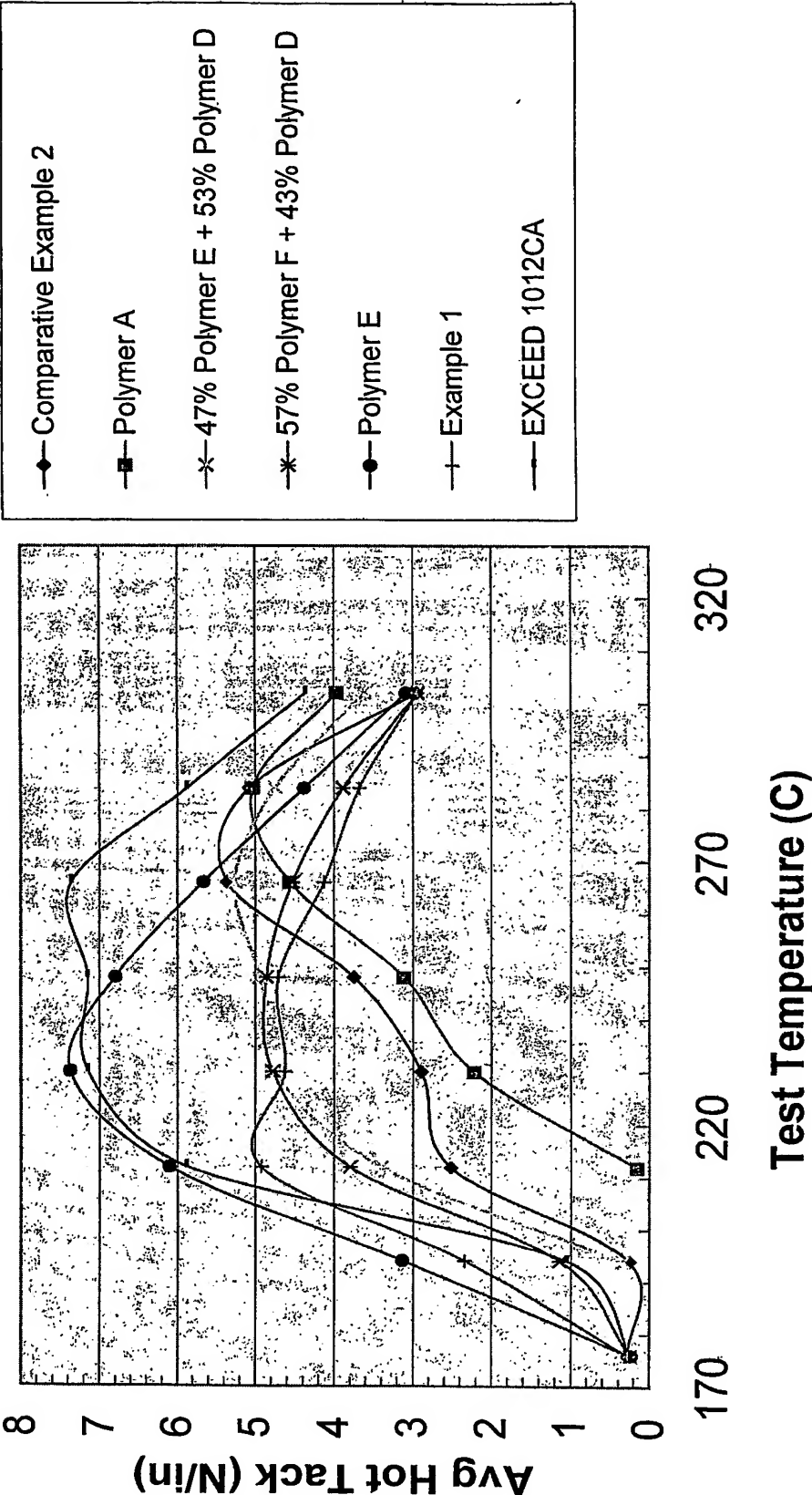


Figure 6

Hot Tack

0.5 mil Polymer A / 1.0 mil 75% Polymer A + 25% Polymer C / 1.0 mil Sealant

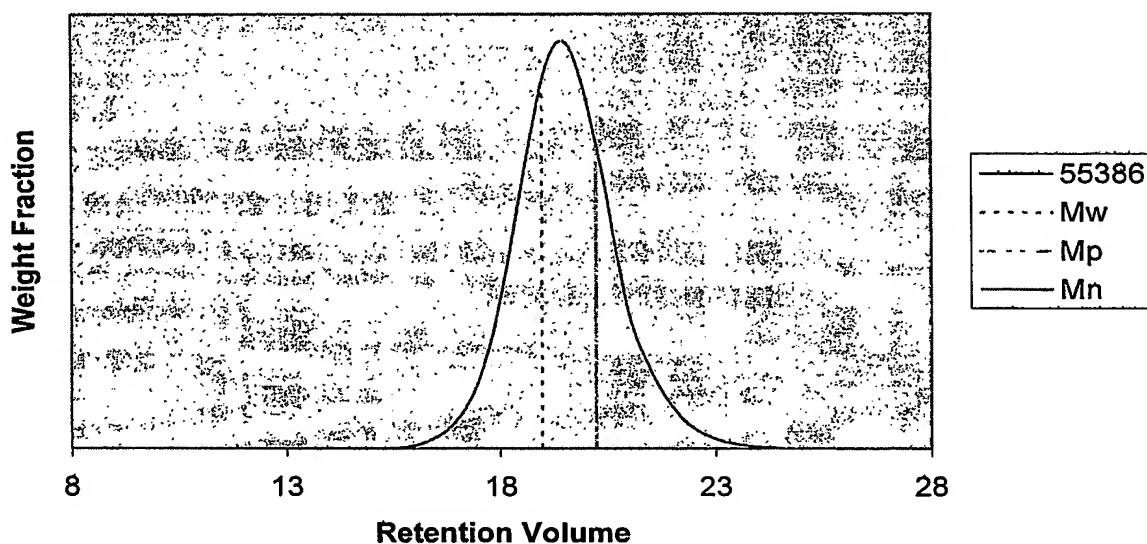


# Figure 7

## GEL PERMEATION CHROMATOGRAPHY

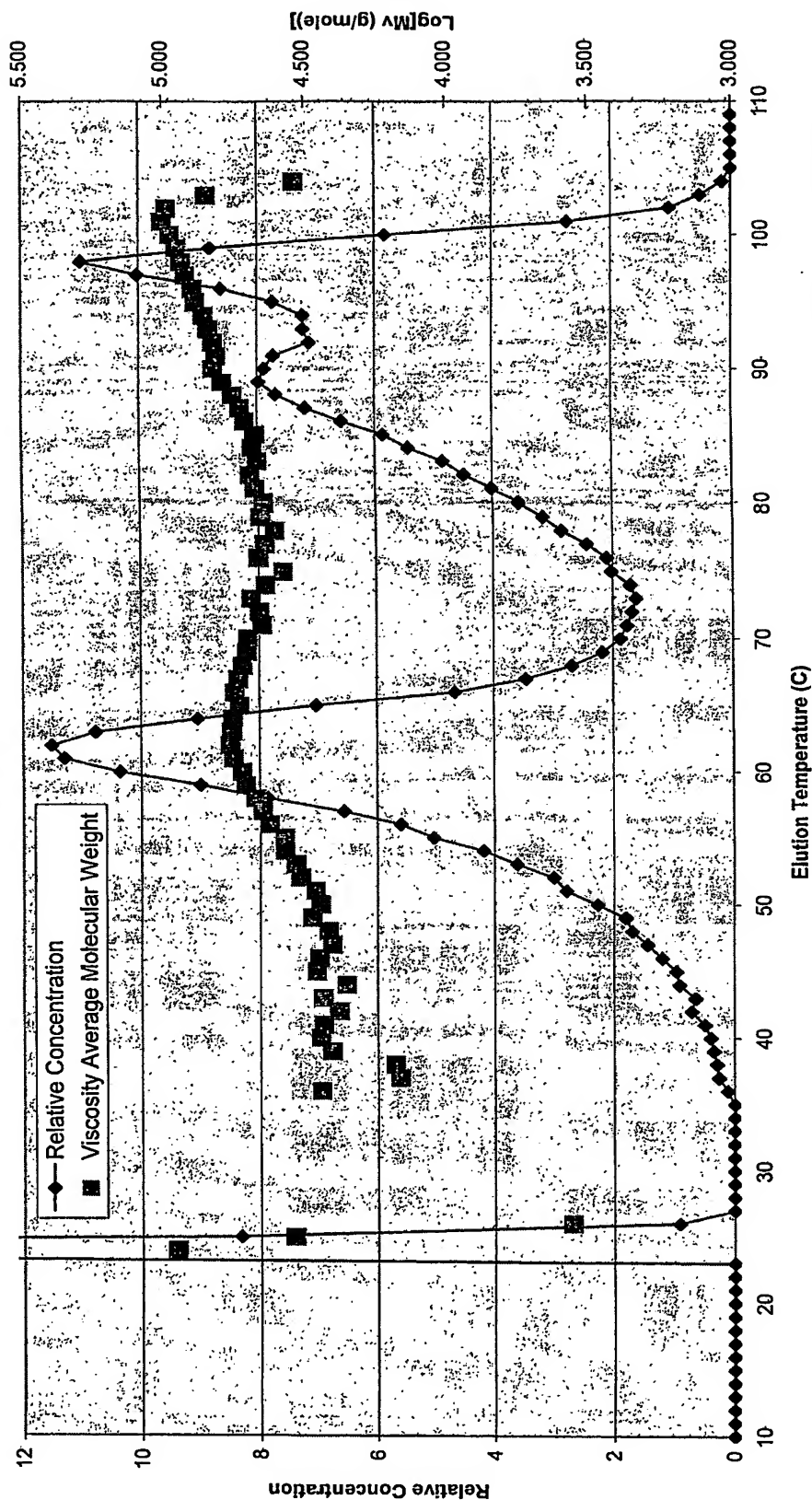
Description	Example 2
Mw	94,200
Mp	62,400
Mn	31,100
Mw/Mn	3.03
Avg Log Mw 25%	200,731
Avg Log Mw 50%	81,035
Avg Log Mw 75%	43,389
Avg Log Mw 100%	15,142
Avg Log Mw Whole	57,176
Avg Log Mw Whole	4.98

Normalized Curve



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Figure 8  
ATREF-DV  
Example 2

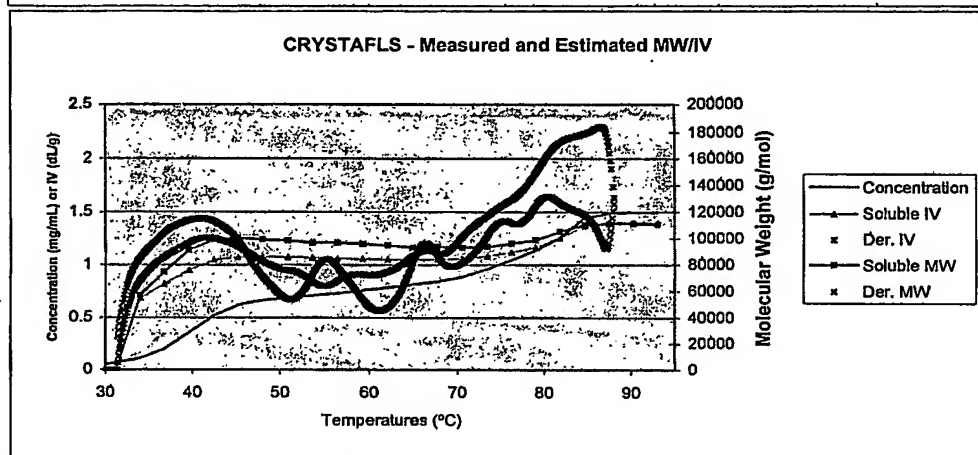
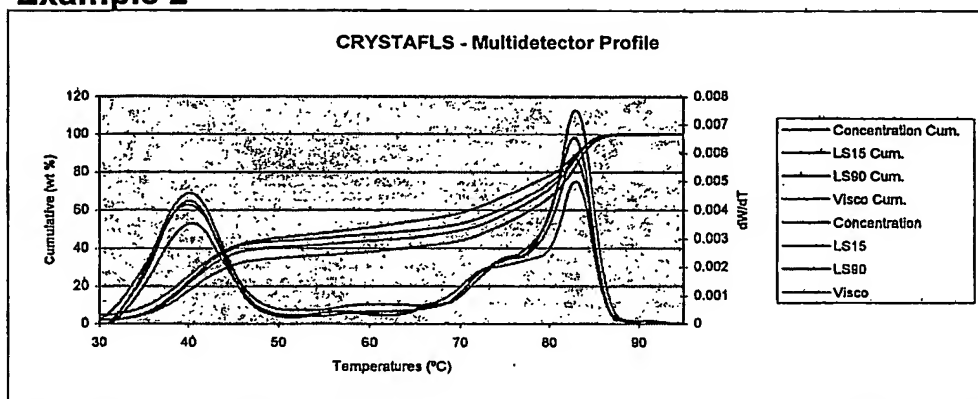


Total Area IR = 6037.5  
Total Area Dp = 42455.7  
Inlet Pressure = 42.81 kPa (+/- 0.34)

High Density Fraction 34.6%  
Temperature Min. = 86.1 C  
Purge = 11.6%  
Mv Ave. = 59,991  
SCB Ave. = 58,124

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**Figure 9**  
**DOW CRYSTAF 3D Report**  
**Example 2**



					S. F. RESULTS	100% SAMPLE 3D RESULTS	
Peak temp	40.0	61.1	82.9	0.0	MEASURED	Mw	110964
Area % conc	42.8	7.0	45.2	0.0	4.6	IV	1.4
Mw	101831	67809	132588	0.0	42079	Rgmalis	0
IV avg	1.1	0.9	1.8	0.0	4.4	Rg 3D	17.54
ANALYSIS PARAMETERS							
	Dis.	Stab.	Cryst.		S.F.	Filling vessels volume	150.00
Rate	20.00	20.00	0.10	0.10	0	Analysis sample volume	1.50
Temp.	160	95	30	30	0	Analysis returned volume	0.00
Time	120	45	0	1	0	Analysis waste volume	2.50
Stirring	0	0	0	0	0	Loop volume	0.00
# Samples	0	0	50	0	1	Pump flow (ml/min)	0.60
Concentration	225.60	Reactor	3	Analyst	Deborah Parker		
RAW DATA PROCESS							
	Calculation Mode:	Area					
SIGNAL	TEMP LIMIT	T<Tl	T>Tl	EXTRAPOLATION	Angles for Mw calculation:	15	
CONC	70.0	0.3	0.1	1.0	Calibration name:	38-4 05-08-04 #3	
LS15	70.0	0.3	0.1	1.0	IR detector:	1 wavelength	
LS80	70.0	0.3	0.1	1.0	Non linear calibration:	FALSE	
VISCO	70.0	0.3	0.1	1.0			

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Figure 10  
Heat Seal Strength  
1.0 mil Polymer G / 1.0 mil Polymer H / 1.5 mil Sealant

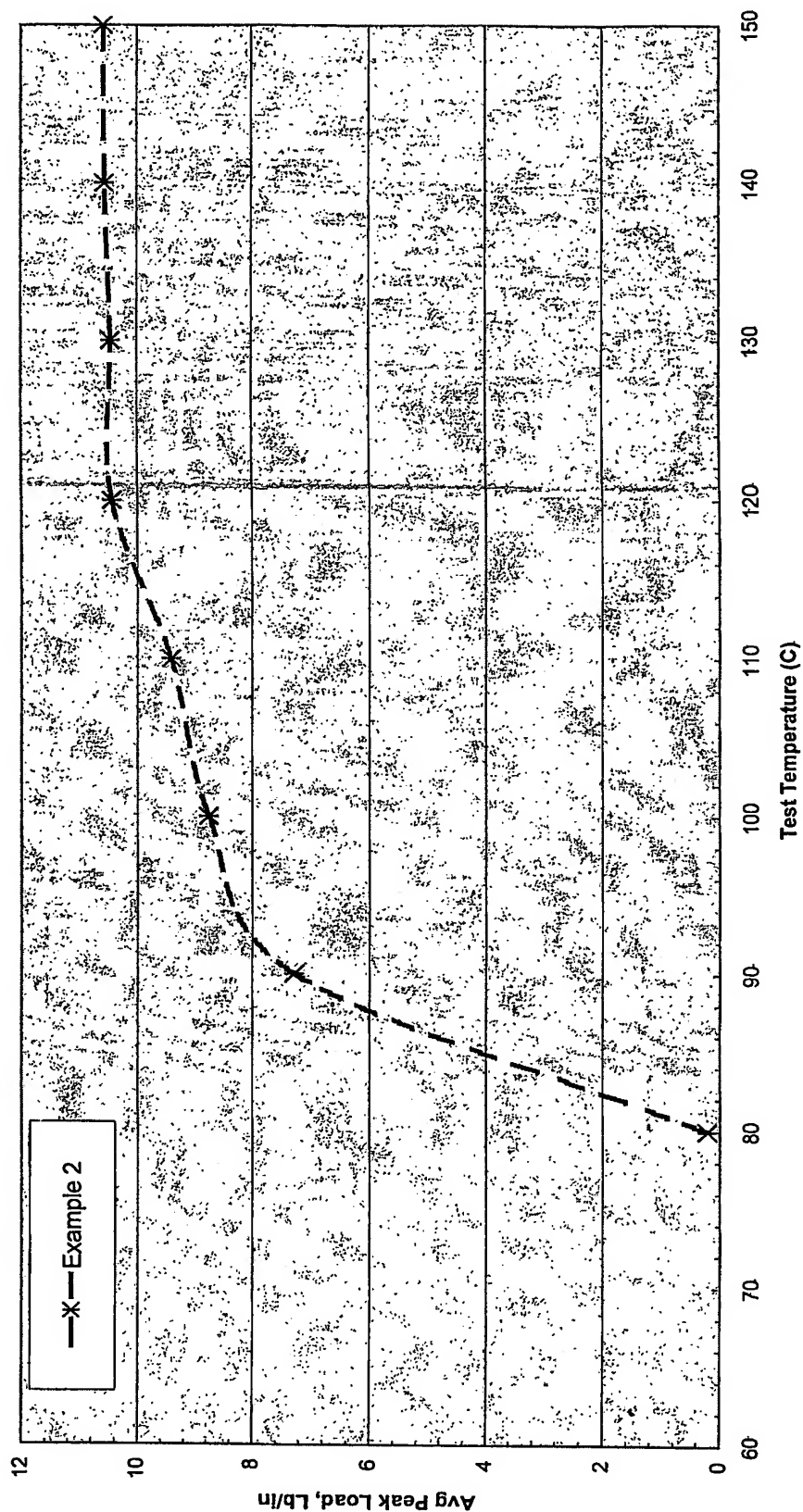


Figure 11  
Hot Tack Strength  
1.0 mil Polymer G / 1.0 mil Polymer H / 1.5 mil Sealant

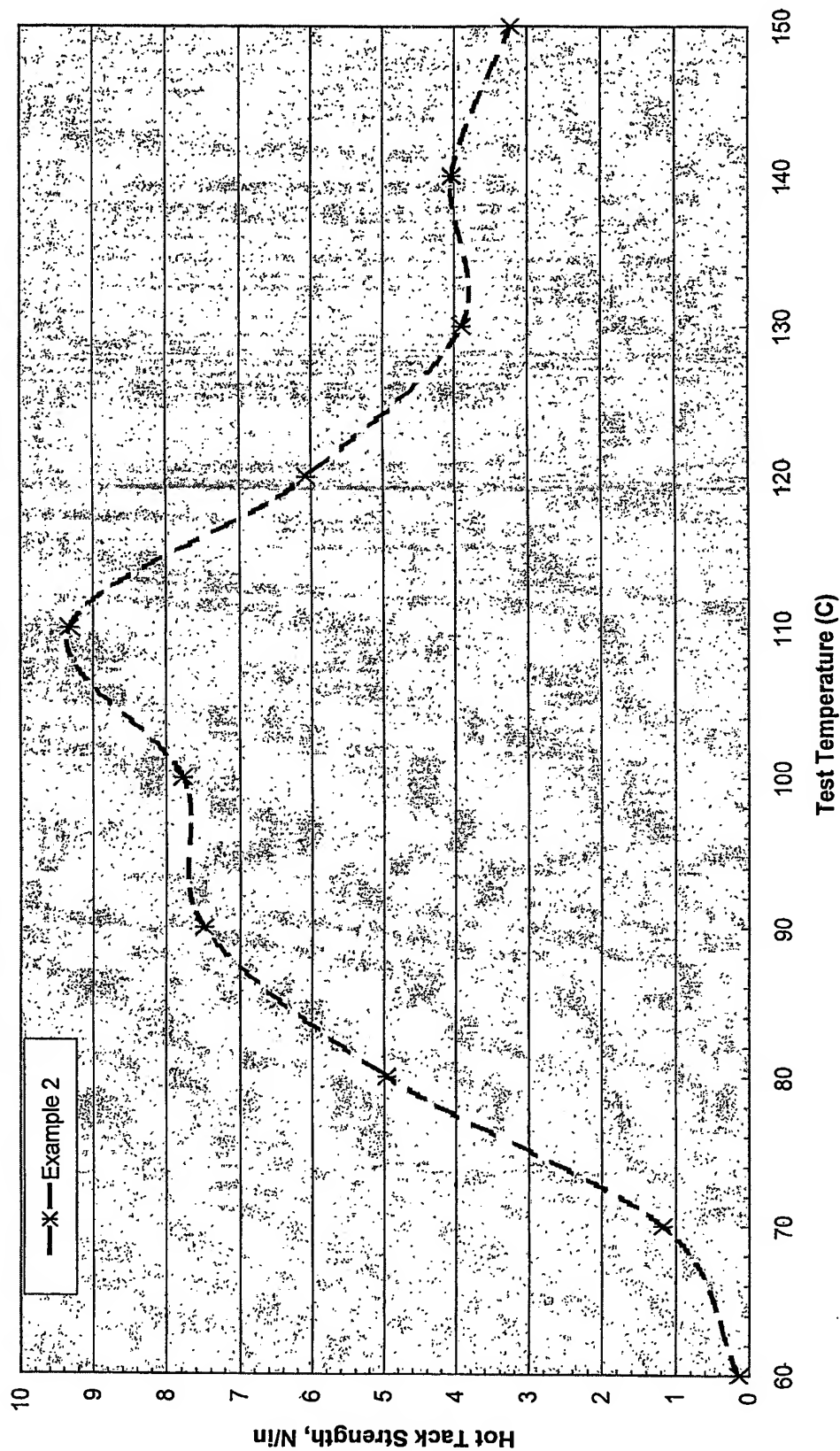
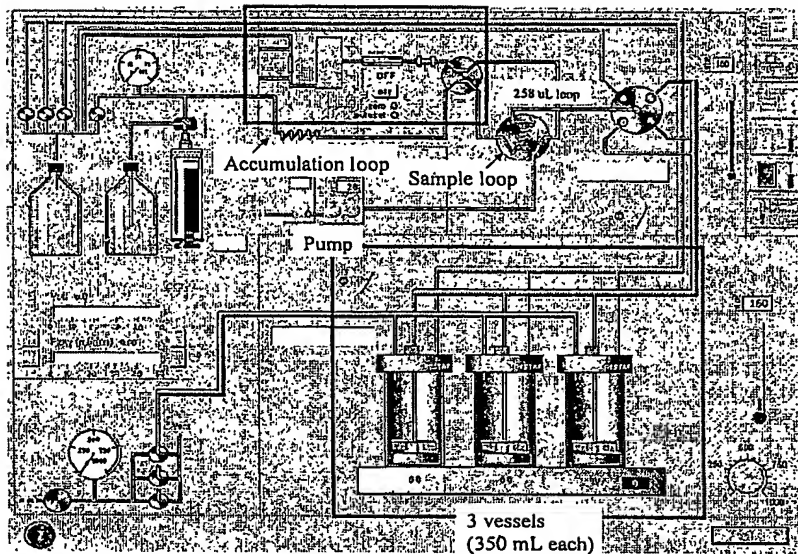


FIGURE 12



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